2113 #5

OIPE

RAW SEQUENCE LISTING   DATE: 02/21/2002
PATENT APPLICATION: US/09/965,536A   TIME: 12:48:41

Input Set : A:\30534118.app
Output Set: N:\CRF3\02212002\I965536A.raw

p.5

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 3 <110> APPLICANT: FEDER, J. N.
 4         MINTIER, G.
 5         RAMANATHAN, C. S.
 6         HAWKEN, D. R.
 8 <120> TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRBMY5,
 9         EXPRESSED HIGHLY IN BRAIN AND OVARIAN TISSUES
11 <130> FILE REFERENCE: DOO41NP
13 <140> CURRENT APPLICATION NUMBER: 09/965,536A
14 <141> CURRENT FILING DATE: 2001-09-26
16 <150> PRIOR APPLICATION NUMBER: 60/235,713
17 <151> PRIOR FILING DATE: 2000-09-27
19 <150> PRIOR APPLICATION NUMBER: 60/261,781
20 <151> PRIOR FILING DATE: 2001-01-16
22 <150> PRIOR APPLICATION NUMBER: 60/306,605
23 <151> PRIOR FILING DATE: 2001-07-19
25 <150> PRIOR APPLICATION NUMBER: 60/310,436
26 <151> PRIOR FILING DATE: 2001-08-03
28 <160> NUMBER OF SEQ ID NOS: 61
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41 gagaactgtg gtgacactag tggatgggcg accatatttg gcacagtgca tggaaatgct 240
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59 ggcatgagat ctttcattaa agctgaaaat acaactcacg ctatgtccat caaaatcctt 1320
60 tgttgtgctg attgcctgat gggtgtttac ttgttctttg ttggcatttt cgatataaaa 1380
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70 aaaatccttt ccctcttccg ggtggaaata ccagacacaa tgacttcctg gatagtgatt 1980
71 ttttttccttc cagttaacag tgctttgaat ccaatcctct atactctcac aaccaacttt 2040
72 tttaaggaca agttgaaaca gctgctgcac aaacatcaga ggaaatcaat tttcaaaatt 2100
73 aaaaaaaaaa gtttatctac atccattgtg tggatagagg actcctcttc cctgaaactt 2160
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96  65                  70                  75                  80
98 Asn Ser Val Ala Leu Thr Gln Glu Cys Phe Leu Lys Gln Tyr Pro Gln
99             85                  90                  95
101 Cys Cys Asp Cys Lys Glu Thr Glu Leu Glu Cys Val Asn Gly Asp Leu
102            100                 105                 110
104 Lys Ser Val Pro Met Ile Ser Asn Asn Val Thr Leu Leu Ser Leu Lys
105            115                 120                 125
107 Lys Asn Lys Ile His Ser Leu Pro Asp Lys Val Phe Ile Lys Tyr Thr
108        130                 135                 140
110 Lys Leu Lys Lys Ile Phe Leu Gln His Asn Cys Ile Arg His Ile Ser
111 145                 150                 155                 160
113 Arg Lys Ala Phe Phe Gly Leu Cys Asn Leu Gln Ile Leu Tyr Leu Asn
114             165                 170                 175
116 His Asn Cys Ile Thr Thr Leu Arg Pro Gly Ile Phe Lys Asp Leu His
117        180                 185                 190
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Input Set : A:\30534118.app
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125 Asn Asn Tyr Leu Glu Ala Leu Pro Lys Gln Met Cys Ala Gln Met Pro
126 225                 230                 235                 240
128 Gln Leu Asn Trp Val Asp Leu Glu Gly Asn Arg Ile Lys Tyr Leu Thr
129             245                 250                 255
131 Asn Ser Thr Phe Leu Ser Cys Asp Ser Leu Thr Val Leu Phe Leu Pro
132             260                 265                 270
134 Arg Asn Gln Ile Gly Phe Val Pro Glu Lys Thr Phe Ser Ser Leu Lys
135         275                 280                 285
137 Asn Leu Gly Glu Leu Asp Leu Ser Ser Asn Thr Ile Thr Glu Leu Ser
138     290                 295                 300
140 Pro His Leu Phe Lys Asp Leu Lys Leu Leu Gln Lys Leu Asn Leu Ser
141 305             310                 315                 320
143 Ser Asn Pro Leu Met Tyr Leu His Lys Asn Gln Phe Glu Ser Leu Lys
144             325                 330                 335
146 Gln Leu Gln Ser Leu Asp Leu Glu Arg Ile Glu Ile Pro Asn Ile Asn
147             340                 345                 350
149 Thr Arg Met Phe Gln Pro Met Lys Asn Leu Ser His Ile Tyr Phe Lys
150         355                 360                 365
152 Asn Phe Arg Tyr Cys Ser Tyr Ala Pro His Val Arg Ile Cys Met Pro
153     370                 375                 380
155 Leu Thr Asp Gly Ile Ser Ser Phe Glu Asp Leu Leu Ala Asn Asn Ile
156 385             390                 395                 400
158 Leu Arg Ile Phe Val Trp Val Ile Ala Phe Ile Thr Cys Phe Gly Asn
159             405                 410                 415
161 Leu Phe Val Ile Gly Met Arg Ser Phe Ile Lys Ala Glu Asn Thr Thr
162         420                 425                 430
164 His Ala Met Ser Ile Lys Ile Leu Cys Cys Ala Asp Cys Leu Met Gly
165         435                 440                 445
167 Val Tyr Leu Phe Phe Val Gly Ile Phe Asp Ile Lys Tyr Arg Gly Gln
168     450                 455                 460
170 Tyr Gln Lys Tyr Ala Leu Leu Trp Met Glu Ser Val Gln Cys Arg Leu
171 465                 470                 475                 480
173 Met Gly Phe Leu Ala Met Leu Ser Thr Glu Val Ser Val Leu Leu Leu
174             485                 490                 495
176 Thr Tyr Leu Thr Leu Glu Lys Phe Leu Val Ile Val Phe Pro Phe Ser
177             500                 505                 510
179 Asn Ile Arg Pro Gly Lys Arg Gln Thr Ser Val Ile Leu Ile Cys Ile
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182 Trp Met Ala Gly Phe Leu Ile Ala Val Ile Pro Phe Trp Asn Lys Asp
183     530                 535                 540
185 Tyr Phe Gly Asn Phe Tyr Gly Lys Asn Gly Val Cys Phe Pro Leu Tyr
186 545                 550                 555                 560
188 Tyr Asp Gln Thr Glu Asp Ile Gly Ser Lys Gly Tyr Ser Leu Gly Ile
189             565                 570                 575
191 Phe Leu Gly Val Asn Leu Leu Ala Phe Leu Ile Ile Val Phe Ser Tyr
192             580                 585                 590
194 Ile Thr Met Phe Cys Ser Ile Gln Lys Thr Ala Leu Gln Thr Thr Glu
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Input Set : A:\30534118.app
Output Set: N:\CRF3\02212002\I965536A.raw

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200 Phe Ile Val Phe Ser Asp Ala Ile Cys Trp Ile Pro Val Phe Val Val
201 625                 630                 635                 640
203 Lys Ile Leu Ser Leu Phe Arg Val Glu Ile Pro Asp Thr Met Thr Ser
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206 Trp Ile Val Ile Phe Phe Leu Pro Val Asn Ser Ala Leu Asn Pro Ile
207                 660                 665                 670
209 Leu Tyr Thr Leu Thr Thr Asn Phe Phe Lys Asp Lys Leu Lys Gln Leu
210         675                 680                 685
212 Leu His Lys His Gln Arg Lys Ser Ile Phe Lys Ile Lys Lys Lys Ser
213     690                 695                 700
215 Leu Ser Thr Ser Ile Val Trp Ile Glu Asp Ser Ser Ser Leu Lys Leu
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245 gaccacaggt tggcactgtg tggtctttca catcgggttg cactgtccat gaaatagaaa 360
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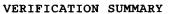
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PATENT APPLICATION: US/09/965,536A   TIME: 12:48:41

Input Set : A:\30534118.app
Output Set: N:\CRF3\02212002\I965536A.raw

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268 tgcttacccc gagctttca ctgtgatggc aaggatgact gtgggaacgg ggcggacgaa 180
269 gagaactgtg gtgacactag tggatgggcg accatatttg cacagtgca tggaaatgct 240
270 aacagcgtgg ccttaacaca ggagtgcttt ctaaaacagt atccacaatg ctgtgactgc 300
271 aaagaaactg aattggaatg tgtaaatggt gacttaaagt ctgtgccgat gatttctaac 360
272 aatgtgacat tactgtctct taagaaaaac aaaatccaca gtcttccaga taaagttttc 420
273 atcaaataca caaaacttaa aaagatattt cttcagcata attgcattag acacatatcc 480
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314             20                  25                  30
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Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 02/21/2002
PATENT APPLICATION: **US/09/965,536A**   TIME: 12:48:42

Input Set : **A:\30534118.app**
Output Set: **N:\CRF3\02212002\I965536A.raw**

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L:1791 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
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